

TROPICAL CYCLONE 04B

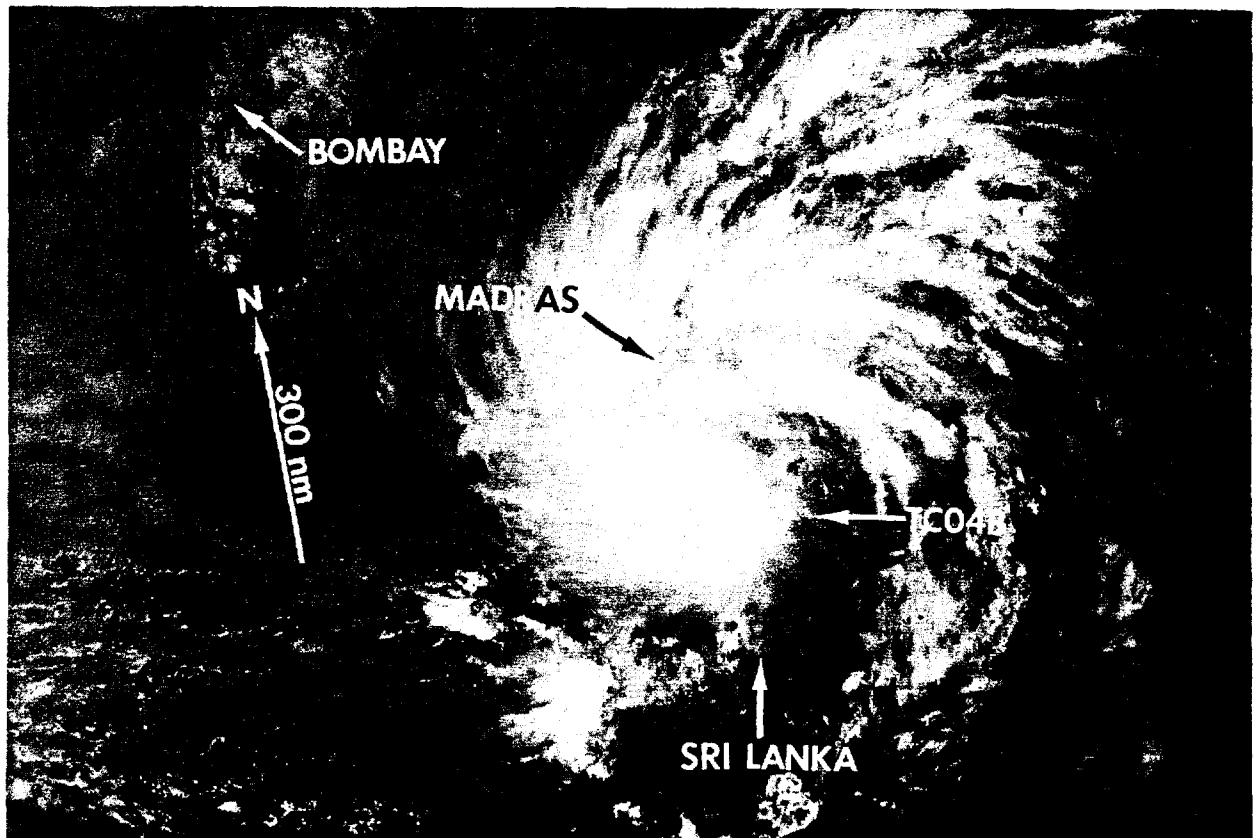


Figure 3-04B-1 Tropical Cyclone 04B makes landfall on the southern coast of India at maximum intensity (140305Z November DMSP visual imagery).

Tropical Cyclone 04B was the only cyclone to develop in the North Indian Ocean during the fall transition season. After being initially detected on 9 November, the disturbance was mentioned on the 1800Z Significant Tropical Weather Advisory. It tracked westward in the Bay of Bengal for the next three days without a significant increase in organization. At 131800Z, a Tropical Cyclone Formation Alert was issued when 131200Z synoptic data revealed a well-developed upper-level anticyclone had developed over the broad low-level circulation center. Twelve hours later, the first warning on Tropical Cyclone 04B indicated that while the system was rapidly approaching the southern coast of India, it was expected to maintain sufficient organization after crossing the Indian peninsula to allow it to reintensify in the Arabian Sea. For this reason, JTWC continued to issue warnings while the cyclone was over land. After reaching its maximum intensity of 40 kt (21 m/sec) just prior to landfall, the system crossed the Indian coast near Nagappattinam approximately 140 nm (260 km) south of Madras at 142300Z. It did not reintensify in the Arabian Sea, and the final warning was issued at 160000Z.